

## Anhydrous Sun Cream

This sun care product was designed to use under the strong Australian sun. It gives high SPF and good UVA protection with an extremely soft application. Anhydrous composition offers good skin adherence which improves the skin protection properties, and makes the cream suitable for very sensitive skin types. Combination of two different crystal sizes of Creasperse® UV-dispersions, provides a wider scale of UVA and UVB protection. Easy to use Titanium Oxide dispersions give an even application and gentle feel even on high quantities. Hectone® DF is a thickener which prevents the sedimentation of the UV-filters. Creagel Crystal® ID improves the water-resistance in the formulation. Dedraflow® 5 is a photostable emollient used as replacement to cyclomethicone. Dedraflow® 5 brings softness without any tackiness. Creanatural® Vegetable Squalane moisturises the sun dry skin.

Ingredients	INCI Name	Qty%	Supplier
<b>Phase A</b>			
Creanatural® Vegetable Squalane	Squalane	4,00	1)
Dedraflow® 5	Hydrogenated Polyisobutene	5,00	1)
	Phenoxyethanol	0,50	
	Tocopheryl Acetate	1,00	
Creagel Crystal® ID	Isododecane (and) Ethylene/Propylene Copolymer	33,00	1)
Hectone® DF	Hydrogenated Polyisobutene (and) Distearidimonium Hectorite (and) Propylene Carbonate	14,00	1)
	Phenyl Trimethicone	2,00	
	Dimethicone (and) Trimethylsiloxysilicate	2,00	
<b>Phase B</b>			
Creasperse® TR 22 AF 65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	23,00	1)
Creasperse® TR 35 AF 65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	15,40	1)
<b>Phase C</b>			
	Parfum	0,10	

SPF in vitro: 136,1

UVA Ratio: 0,89

Star Category: \*\*\*\*

Critical Wavelength: 381nm

### Procedure:

1. Mix ingredients in phase A under moderate agitation (500-600rpm) until homogenous.
2. Homogenize (4000rpm) phase A.
3. Add phase B into phase A, and homogenize the mixture (A+B).
4. Add phase C into the mixture (A+B).
3. Homogenize (4000rpm) the mixture (A+B+C) for 2-3 minutes.

### Suppliers:

- 1) CIT SARL/COSMO CHEM SARL

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